

# deconex® 21 LAB CLF

## Mildly alkaline special cleaning concentrate

For automated cleaning in laboratories. Free of chlorine, liquid.



### Application

deconex® 21 LAB CLF is universally used in laboratories for the removal of organic and inorganic residues and contamination from laboratory glass and reusable laboratory material.

The completely residue-free cleaning of laboratory glass and reusable materials is the important condition for the successful application of a cleaner in analytical-, synthesis- and cell culture-laboratories.

deconex® 21 LAB CLF can be used in:

- chemical laboratories
- biological laboratories
- medical laboratories
- the pharmaceutical industry laboratories
- and the food-industry laboratories.

### Properties

deconex® 21 LAB CLF is:

- mildly alkaline
- compatible with aluminium
- free of chlorine
- free of surfactants
- free of EDTA and NTA
- liquid (suitable for automated dosage).

### Dosage

The optimal dosage depends mainly on the hardness of the water and the nature of the contamination. In general, the use of softened water improves the cleaning results. The dosage can therefore be reduced.

In practice, the following dosage has given good results:

Dosage	in softened water	in hard water
deconex® 21 LAB CLF	3-5 ml/l	5-10 ml/l

The cleaning time at the temperature of 60 °C is 2-5 min.

deconex® 21 LAB CLF has a very good material compatibility. It has been specifically developed for the use in laboratory washers. Although the product does not contain caustic alkalis, it has excellent contaminant-removing and dispersing properties.

deconex® 21 LAB CLF gently but effectively removes:

- greases
- oils
- culture media
- serum
- blood
- tissue residues
- proteins

The simultaneous cleaning of goods made of glass, stainless steel and aluminium is possible.

### Ingredients

Alkalis, complexing agents, corrosion inhibitor, sequestering agents

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## Information on use

In general, an increase of the temperature leads to the reduction of cleaning time. According to a rule of thumb, raising the temperature by 10 °C, cuts the time of the cleaning process by half and vice versa.

We recommend:

- proper loading of goods to be washed into the racks of the machine (avoid overloading)
- to use demineralized water for final rinsing

## Neutralization

To neutralize alkaline residues, an acidic rinse should follow the cleaning step. In combination with deconex® 21 LAB CLF, we recommend deconex® 25 ORGANACID. Please ask for the corresponding data sheet.

## Material compatibility

Suitable for:

Laboratory glass, stainless steel, aluminium, anodized aluminium, synthetic materials, rubber, latex, ceramic materials

For materials not mentioned please make your own specific compatibility tests or consult Borer Chemie AG.

## Chemical/physical data

pH	1 % solution in demineralized water	approx. 11.3
Density	concentrate	1.36 g/ml
Appearance	concentrate	transparent, colourless

## Availability

Please ask your local representative about available container sizes.

Containers, screw caps and labels are made of recyclable polyethylene.

## Additional information

For information concerning safety at work, storage and disposal of waste/sewage please consult the relevant safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.

## Manufacturer:

### Borer Chemie AG

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advanced cleaning solutions